

MAR 06 2003

PTO/SB/08 (2-92)
Sheet 1 of 3

Form PTO-1449

Docket Number 300622003110

Application Number 09/724,876

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Bryan JULIEN et al.

Filing Date November 28, 2000

Group Art Unit 1652

Mailing Date March 6, 2003

U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
ME	1.	04/10/1990	4,916,138	Ueda et al.	514	294	
	2.	07/07/1998	5,776,735	Denoya et al.	435	76	
	3.	07/21/1998	5,783,431	Peterson et al.	435	172-3	
	4.	10/19/1999	5,969,145	Schinzer et al.	548	110	
	5.	02/08/2000	6,022,731	Khosla et al.	435	252.35	
	6.	03/07/2000	6,033,883	Barr et al.	435	148	
	7.	07/18/2000	6,090,601	Gustafsson et al.	435	183	
	8.	06/05/2001	6,242,469	Danishefsky et al.	514	365	
	9.	10/09/2001	6,300,355	Danishefsky et al.	514	374	
ME	10.	06/25/2002	6,410,301	Julien et al.	435	252.3	

FOREIGN PATENT DOCUMENTS

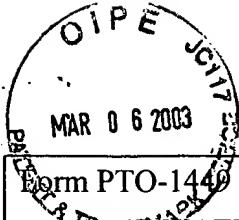
Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
ME	11.	05/27/1993	DE 41 38 042	Germany			
	12.	06/22/1994	EP 0 423 714	Europe			
	13.	03/01/1995	EP 0 428 169	Europe			
	14.	06/10/1999	WO 99/27890	WIPO			
	15.	12/23/1999	WO 99/65913	WIPO			
	16.	12/29/1999	WO 99/67252	WIPO			
	17.	12/29/1999	WO 99/67253	WIPO			
	18.	01/06/2000	WO 00/00485	WIPO			
ME	19.	01/13/2000	WO 00/01838	WIPO			

EXAMINER:

N. Street 5/19/03

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

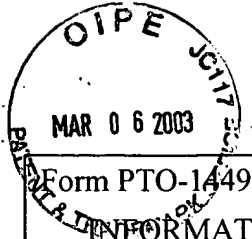


Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)	Docket Number 300622003110	Application Number 09/724,876
	Applicant Bryan JULIEN et al.	
	Filing Date November 28, 2000	Group Art Unit 1652
	Mailing Date March 6, 2003	

NE		Chemistry & Biology 3:833-839
	34.	Paitan et al. (1999). "The First Gene in the Biosynthesis of the Polyketide Antibiotic TA of Myxococcus Xanthus Codes for a Unique PKS Module Coupled to a Peptide Synthetase," <i>J. Molecular Biology</i> 286:465-474
	35.	Pfeifer, B.A. et al. (2001). "Biosynthesis of polyketides in heterologous hosts," <i>Microbiology and Molecular Biology Reviews</i> 65(1):106-118.
	36.	Regentin, R. et al. (2001). "Development of a cost effective epothilone D process in myxococcus xanthus," <i>Abstracts of Papers American Chemical Society</i> 221(1-2): BIOT 61.
	37.	Shimkets, L.J. (1993). "Industrial relevance and genetic analysis of myxobacteria," <i>Industrial Microorganisms: Basic and Applied Molecular Genetics</i> 5 th ASM pp. 85-96.
	38.	Silakowski, B. et al. (1999). "New Lessons for Combinatorial Biosynthesis From Myxobacteria: The Myxothiazol Biosynthetic Gene Cluster of <i>Stigmatella Aurantiaca</i> DW4/3-1." <i>J Biol Chem</i> 274(52):37391-37399.
	39.	Strong, S. et al. (1997). "Marked Improvement of PAC and BAC Cloning is achieved Using Electroelution of Pulsed-Field Gel-Separated Partial Digests of Genomic DNA," <i>Nucleic Acids Res</i> 19:3959-3961.
V	40.	Ueki, T. et al. (1996). "Positive-Negative KG Cassettes for Construction of Multi-Gene Deletions Using a Single Drug Marker," <i>Gene</i> 183:153-157.
NE	41.	Varon et al. (1992). "Mutation and Mapping of Genes Involved in Production of the Antibiotic TA in <i>Myxococcus xanthus</i> ," <i>Antimicrobial Agents and Chemotherapy</i> 36(10):2316-2321.

RECEIVED
MAR 12 2003
TECH CENTER 1600/2900

EXAMINER: N. Steel	DATE CONSIDERED: 5/19/03
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	



Form PTO-1449

Docket Number 300622003110

Application Number 09/724,876

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Bryan JULIEN et al.

Filing Date November 28, 2000

Group Art Unit 1652

Mailing Date March 6, 2003

RECEIVED
MAR 11 2003
DEPT. CENTER 1600/2000

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
ne	20.	An, J. and Kim, Y. (1998). "A Gene Cluster Encoding Malonyl-CoA Decarboxylase (MatA), Malonyl-CoA Synthetase (MatB) and a Putative Dicarboxylate Carrier Protein (MatC) in <i>Rhizobium Trifolii</i> ," <i>Eur J Biochem</i> 274(52):395-402.
	21.	Arslanian, R.L. et al. (2002). "Large-Scale Isolation and Crystallization of Epothilone D from <i>Myxococcus Xanthus</i> Cultures," <i>J. Natural Products</i> 65(4):570-572.
	22.	Beyer et al. (1999). "Metabolic Diversity in Myxobacteria: Identification of the Myxalamid and the Stigmatellin Biosynthetic Gene Cluster of <i>Stigmatella Aurantica</i> Sga15 and a Combined Polyketide-(poly)peptide Gene Cluster from the Epothilone Producing Strain <i>Sorangium Cellulosum</i> Sso ce90," <i>Biochimica et Biophysica Acta</i> 1445(2):185-195.
	23.	Bretscher, A.P. et al. (1978). "Nutrition of <i>Myxococcus Xanthus</i> , a Fruiting Myxobacterium," <i>J. Bacteriology</i> 133(2):763-768.
	24.	Frykman, S. et al. (2002). "Modulation of Epothilone Analog Production Through Media Design," <i>J. Industrial Microbiology & Biotechnology</i> 28(1):17-20.
	25.	Hamilton, C. et al. (1989). "New Method for Generating Deletions and Gene Replacements in <i>Escherichia Coli</i> ," <i>J Bact</i> 171(9):4617-4622.
	26.	Honbo, T. et al. (1987). "The Oral Dosage Form of FK-506," <i>Transplantation Proceedings</i> X1X(5) Suppl 6:17-22.
	27.	Jacobsen, J.R. et al. (1998). "Spontaneous Priming of a Downstream Module in 6-Deoxyerythronolide B," <i>Biochemistry</i> 37:4928-4934.
	28.	Jaoua, S. et al. (1992). "Transfer of Mobilizable Plasmids to <i>Sorangium Cellosum</i> and Evidence for Their Integration into the Chromosome," <i>Plasmid</i> 28:157-165.
	29.	Lau, J. et al. (2002). "Optimizing the Heterologous Production of Epothilone D in <i>Myxococcus Xanthus</i> ," <i>Biotechnology and Bioengineering</i> 78(3):280-288.
	30.	Link, A. et al. (1997). "Methods for Generating Precise Deletions and Insertions in the Genome of Wild-Type <i>Escherichia Coli</i> : Application to Open Reading Frame Characterization," <i>J Bact</i> 179(20):6228-6237.
ne	31.	Nicolaou, K.C. et al. (1997). "Designed Epothilones: Combinatorial Synthesis, Tubulin Assembly Properties, and Cytotoxic Action Against Taxol-Resistant Tumor Cells," <i>Angew Chem Int Ed Engl</i> 36:2097-2103.
	32.	Nicolaou, K.C. et al. (1998). "Chemical biology of epothilones," <i>Angew Chem Int Ed</i> 37(15):2014-2045.
	33.	Oliynyk et al. (1996). "A Hybrid Modular Polyketide Synthase Obtained by Domain Swapping,"

EXAMINER:

N. Steel

DATE CONSIDERED:

5/19/03

EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.